



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

Permit No.: VA0051926  
Effective Date: March 27, 2012  
Expiration Date: March 26, 2017

### AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

### THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act as amended and pursuant to the State Water Control Law and regulations adopted pursuant thereto, the following owner is authorized to discharge in accordance with the information submitted with the permit application, and with this permit cover page, and Parts I and II of this permit, as set forth herein.

Owner: Colonial Pipeline Company  
Facility Name: Colonial Pipeline – Mitchell Junction  
County: Cumberland  
Facility Location: 425 Duncan Store Road

The owner is authorized to discharge to the following receiving stream:

Stream: Big Cattail Creek [Outfall 001]  
UT, Randolph Creek [Outfall 002]  
River Basin: James River  
River Subbasin: Middle James River  
Section: 10  
Class: III  
Special Standards: none

Robert J. Weld, Director, Blue Ridge Regional Office

3/16/2012  
Date

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall number 001 (final retention pond). This discharge shall be limited and monitored by the permittee as specified below:

| EFFLUENT<br>CHARACTERISTICS         | DISCHARGE LIMITATIONS |          |         |         | MONITORING REQUIREMENTS |           |
|-------------------------------------|-----------------------|----------|---------|---------|-------------------------|-----------|
|                                     | MONTHLY AVERAGE       |          | MINIMUM | MAXIMUM |                         | FREQUENCY |
|                                     | mg/l*                 | Lbs/day* | mg/l*   | mg/l*   | lbs/day*                |           |
| Flow (MGD)                          |                       | NL       |         |         |                         |           |
| pH (standard units)                 |                       | NA       | NA      |         | NL                      | 1/Year    |
| Total Petroleum Hydrocarbons (mg/l) |                       | NA       | 6.0     |         | 9.0                     | 1/Year    |
|                                     |                       |          | NA      |         | 15                      | 1/Year    |

\* = UNLESS OTHERWISE NOTED NA = NOT APPLICABLE NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/Year = Between January 1 and December 31, **due January 10 of following year.**

- a. See Part I.B.8. for limits, monitoring and reporting requirements for hydrostatic testing.
- b. There shall be no discharge of floating solids or visible foam in other than trace amounts.
- c. The effluent shall be free of sheens.
- d. There shall be no discharge of tank bottom waters.
- e. See Part I.B.6 for quantification levels (TPH).

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall number 002 (final retention pond). This discharge shall be limited and monitored by the permittee as specified below:

| EFFLUENT<br>CHARACTERISTICS         | DISCHARGE LIMITATIONS |          |         |         | MONITORING REQUIREMENTS |           |
|-------------------------------------|-----------------------|----------|---------|---------|-------------------------|-----------|
|                                     | MONTHLY AVERAGE       |          | MINIMUM | MAXIMUM |                         | FREQUENCY |
|                                     | mg/l*                 | Lbs/day* | mg/l*   | mg/l*   | lbs/day*                |           |
| Flow (MGD)                          | NL                    |          | NA      | NL      |                         | 1/Year    |
| pH (standard units)                 | NA                    |          | 6.0     | 9.0     |                         | 1/Year    |
| Total Petroleum Hydrocarbons (mg/l) | NA                    |          | NA      | 15      |                         | 1/Year    |

\* = UNLESS OTHERWISE NOTED NA = NOT APPLICABLE NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/Year = Between January 1 and December 31, due January 10 of following year.

- a. There shall be no discharge of floating solids or visible foam in other than trace amounts.

A. GROUNDWATER LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee shall monitor the ground water from the following site monitoring locations: MW-1, MW-2, MW-5, MW-7, MW-9, MW-11, MW-12, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, MW-27, MW-28, MW-31S, MW-31D and pond gauge

| PARAMETER          | LIMITATIONS | UNITS   | MONITORING REQUIREMENTS |             |
|--------------------|-------------|---------|-------------------------|-------------|
|                    |             |         | FREQUENCY               | SAMPLE TYPE |
| Static Water Level | NL          | 0.01 FT | 1/6 Months              | Measured    |
| Benzene            | NL          | µg/l    | 1/6 Months              | Grab        |
| Ethylbenzene       | NL          | µg/l    | 1/6 Months              | Grab        |
| Toluene            | NL          | µg/l    | 1/6 Months              | Grab        |
| Xylenes            | NL          | µg/l    | 1/6 Months              | Grab        |
| Total BTEX         | NL          | µg/l    | 1/6 Months              | Grab        |
| MTBE               | NL          | µg/l    | 1/6 Months              | Grab        |
| TPH-GRO            | NL          | Mg/l    | 1/6 Months              | Grab        |
| TPH-DRO            | NL          | mg/l    | 1/6 Months              | Grab        |

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30, **due July 10**); 2nd half (July 1 - December 31, **due January 10**).

Grab samples - An individual sample should be taken after three (3) well volumes of ground water are removed (allowing the well to recharge between each well volume removed) or until well purging parameters (i.e. pH, temperature, and specific conductance) stabilize to  $\pm 10\%$ . The bailer or hose used should not contaminate samples.



**B. OTHER REQUIREMENTS OR SPECIAL CONDITIONS****1. Notification Levels**

The permittee shall notify the Department as soon as they know or have reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
  - (1) One hundred micrograms per liter (100 ug/l);
  - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
  - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
  - (4) The level established by the Board.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
  - (1) Five hundred micrograms per liter (500 ug/l);
  - (2) One milligram per liter (1 mg/l) for antimony;
  - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application.
  - (4) The level established by the Board.

**2. Operations and Maintenance (O & M) Manual**

The permittee shall review the existing Operations and Maintenance (O & M) Manual and notify the DEQ Regional Office in writing within 90 days of [the effective date of this permit] whether it is still accurate and complete. If the O & M Manual is no longer accurate and complete, a revised O & M Manual shall be submitted for approval to the DEQ Regional Office within 90 days of [the effective date of this permit]. The permittee will maintain an accurate, approved operation and maintenance manual for the treatment works. This manual shall detail the practices and procedures which will be followed to ensure compliance with the requirements of the permit. The permittee shall operate the treatment works accordance with the approved O&M Manual. This manual shall include, but not necessarily be limited to, the following items, as appropriate:

- a. Techniques to be employed in the collection, preservation, and analysis of effluent samples;
- b. Procedures for measuring and recording the duration and volume of treated wastewater discharged;
- c. Discussion of Best Management Practices, if applicable;
- d. Procedures for handling, storing, and disposing of all wastes, fluids, and pollutants characterized in Part I.B.7 (Materials Handling and Storage) that will prevent these materials from reaching state waters;
- e. Treatment works design, treatment works operation, routine preventative maintenance of units within the treatment system, critical spare parts inventory and record keeping; and,
- f. A plan for the management and/or disposal of waste solids and residues.

Any changes in the practices and procedures followed by the permittee shall be documented and submitted for DEQ Regional staff approval within 90 days of the effective date of the changes. Upon approval of the submitted manual changes, the revised manual becomes an enforceable part of the permit. Noncompliance with the O & M Manual shall be deemed a violation of the permit.

**Letter/Revised Manual Due: No later than June 25, 2012**

3. Licensed Wastewater Operator Requirement

No licensed wastewater works operator is required at this permitted facility.

4. Materials Handling and Storage

Any and all product, materials, industrial wastes, and/or other wastes resulting from the purchase, sale, mining, extraction, transport, preparation and/or storage of raw or intermediate materials, final product, by-product or wastes, shall be handled, disposed of and/or stored in such a manner and consistent with Best Management Practices, so as not to permit a discharge of such product, materials, industrial wastes and/or other wastes to State waters, except as expressly authorized.

5. Permit Reopeners

a. Chesapeake Bay Nutrients Reopener

This permit may be modified or, alternatively, revoked and reissued to incorporate new or alternative nutrient limitations and/or monitoring requirements should the State Water Control Board adopt new nutrient standards for the waterbody receiving the discharge, including the Chesapeake Bay or its tributaries, or if a future water quality regulation or statute requires new or alternative nutrient control.

b. Total Maximum Daily Load (TMDL) Reopener

This permit shall be modified or alternatively revoked and reissued if any approved wasteload allocation procedure, pursuant to Section 303(d) of the Clean Water Act, imposes wasteload allocations, limits or conditions on the facility that are not consistent with the permit requirements.

6. Compliance Reporting

a. The quantification levels (QL) shall be less than or equal to the following concentrations:

| <u>Effluent Characteristic</u> | <u>Quantification Level</u> |
|--------------------------------|-----------------------------|
| Benzene                        | 10 µg/l                     |
| Toluene                        | 50 µg/l                     |
| Ethylbenzene                   | 100 µg/l                    |
| Total Xylenes                  | 20 µg/l                     |
| Naphthalene                    | 10 µg/l                     |
| TPH                            | 15 mg/l                     |

The QL is defined as the lowest concentration used to calibrate a measurement system in accordance with the procedures published for the method. It is the responsibility of the permittee to ensure that proper quality assurance/quality control (QA/QC) protocols are



followed during the sampling and analytical procedures. QA/QC information shall be documented to confirm that appropriate analytical procedures have been used and the required QLs have been attained. The permittee shall use any method in accordance with Part II A of this permit.

- b. **Monthly Average** -- Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in subsection a. of this permit condition shall be determined as follows: All concentration data below the QL used for the analysis (QL must be less than or equal to the QL listed in a. above) shall be treated as zero. All concentration data equal to or above the QL used for the analysis (QL must be less than or equal to the QL listed in a. above) shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis (QL must be less than or equal to the QL listed in a. above), then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

**Daily maximum** -- Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in subsection a. of this permit condition shall be determined as follows: All concentration data below the QL used for the analysis (QL must be less than or equal to the QL listed in a. above) shall be treated as zero. All concentration data equal to or above the QL used for the analysis (QL must be less than or equal to the QL listed in a. above) shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis (QL must be less than or equal to the QL listed in a. above), then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

**Single datum** - Any single datum required shall be reported as "<QL" if it is less than the QL used in the analysis (QL must be less than or equal to the QL listed in a. above). Otherwise, the numerical value shall be reported.

- c. **Significant Digits** -- The permittee shall report at least the same number of significant digits as the permit limit for a given parameter. Regardless of the rounding convention used by the permittee (i.e., 5 always rounding up or to the nearest even number), the permittee shall use the convention consistently, and shall ensure that consulting laboratories employed by the permittee use the same convention.

7. Effluent Monitoring Frequencies

If the facility permitted herein is issued a Notice of Violation for any of the parameters listed below, then the following effluent monitoring frequencies shall become effective upon written notice from DEQ and remain in effect until permit expiration date.

| <u>Effluent Parameter</u> | <u>Frequency</u> |
|---------------------------|------------------|
| pH                        | 1/Month          |
| TPH                       | 1/Month          |

No other effluent limitations or monitoring requirements are affected by this special condition.

8. Ground Water Monitoring Plan

The permittee shall continue sampling and reporting in accordance with the approved ground water monitoring plan. The purpose of this plan is to determine if the system integrity is being maintained and to indicate if activities at the site are resulting in violations of the Board's Ground Water Standards. The approved plan is an enforceable part of the permit. Any changes to the plan must be submitted for approval to the DEQ Regional Office.

If monitoring results indicate that any unit has contaminated the ground water, the permittee shall submit a corrective action plan within 60 days of being notified by the regional office. The plan shall set forth the steps to be taken by the permittee to ensure that the contamination source is eliminated or that the contaminant plume is contained on the permittee's property. In addition, based on the extent of contamination, a risk analysis may be required. Once approved, this plan and/or analysis shall be incorporated into the permit by reference and become an enforceable part of this permit.

**Monitoring Schedule:**

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30, **due July 10**); 2nd half (July 1 - December 31, **due January 10**).

9. Hydrostatic Testing

The permittee shall obtain approval from the DEQ Regional Office forty-eight hours in advance of any discharge resulting from hydrostatic testing. The conditions of approval will be contingent on the volume and duration of the proposed discharge, and the nature of the residual product. Sampling will be required for characterization of the "first flush", as a minimum. Every discharge of hydrostatic testing waters shall be monitored and limited as specified below. Report results with the DMR for the month in which hydrostatic testing and sampling occurred. Such discharges shall be limited as follows:

| <u>Parameter</u> | <u>Maximum Limitation</u> |
|------------------|---------------------------|
| Flow             | NL (MGD)                  |
| pH               | 6.0 SU min; 9.0 SU max    |
| TPH              | 15 mg/l                   |
| Benzene          | 50 µg/l                   |
| Toluene          | 175 µg/l                  |
| Ethylbenzene     | 320 µg/l                  |
| Total Xylenes    | 33 µg/l                   |
| Naphthalene      | 10 µg/l                   |

All samples shall be grab samples. The effluent shall be free of sheens. This reporting shall not replace the annual DMR reporting requirements.



10. Pump and Haul Activities

Any pump and haul activities involving wastewater (i.e., prover loop calibration water, hydrostatic test water, spill containment system, accumulated rainwater from within the bermed tank area or tank bottom waters removal from the storage tanks) shall require that a report be prepared and submitted to the DEQ regional office by the 10<sup>th</sup> of the month following the activity. The report, as a minimum, shall contain the following information:

- a. The name of the contractor responsible for hauling the wastewater;
- b. The date and time the contractor hauled the wastewater;
- c. The quantity of wastewater hauled; and,
- d. The final destination and disposition of the wastewater.

11. Permit Application Requirement

In accordance with Part II. M. of this permit, a new and complete permit application shall be submitted for the reissuance of this permit.

**Application Due: No later than September 27, 2016**

## PART II — CONDITIONS APPLICABLE TO ALL VPDES PERMITS

### A. MONITORING

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under Title 40 Code of Federal Regulations Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will insure accuracy of measurements.
4. All analysis for compliance with effluent limitations shall be in accordance with 1VAC30-45, Certification for Noncommercial Environmental Laboratories, or 1VAC30-46, Accreditation for Commercial Environmental Laboratories.

### B. RECORDS

1. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The individual(s) who performed the sampling or measurements;
  - c. The date(s) and time(s) analyses were performed;
  - d. The individual(s) who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the Board.

### C. REPORTING MONITORING RESULTS

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to:

Virginia Department of Environmental Quality, Blue Ridge Regional Office  
3019 Peters Creek Road; Roanoke, VA 24019
2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved or specified by the Department.
3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under Title 40 of the Code of Federal Regulations Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the Department.
4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.



**D. DUTY TO PROVIDE INFORMATION**

The permittee shall furnish to the Department, within a reasonable time, any information which the Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.

**E. COMPLIANCE SCHEDULE REPORTS**

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

**F. UNAUTHORIZED DISCHARGES**

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

**G. REPORTS OF UNAUTHORIZED DISCHARGES**

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the Department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the Department, within five days of discovery of the discharge.

The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the Department under the immediate reporting requirements of other regulations are exempted from this requirement.



## H. REPORTS OF UNUSUAL OR EXTRAORDINARY DISCHARGES

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the Department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the Department within five days of discovery of the discharge in accordance with Part II I 2. Unusual and extraordinary discharges include but are not limited to any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

## I. REPORTS OF NONCOMPLIANCE

The permittee shall report any noncompliance which may adversely affect state waters or may endanger public health.

1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under this paragraph:
  - a. Any unanticipated bypass; and
  - b. Any upset which causes a discharge to surface waters.
2. A written report shall be submitted within 5 days and shall contain:
  - a. A description of the noncompliance and its cause;
  - b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been
  - c. corrected, the anticipated time it is expected to continue; and
  - d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.The Board may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.
5. The permittee shall report all instances of noncompliance not reported under Parts II I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 2.

**NOTE:** The immediate (within 24 hours) reports required in Parts II G, H and I may be made to the Department's Regional Office at (540) 562-6700 (voice) or (540) 562-6725 (fax). For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services maintains a 24 hour telephone service at 1-800-468-8892.



## J. NOTICE OF PLANNED CHANGES

1. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
  - a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:
    - (1) After promulgation of standards of performance under Section 306 of Clean Water Act which are applicable to such source; or
    - (2) After proposal of standards of performance in accordance with Section 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal;
  - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
  - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

## K. SIGNATORY REQUIREMENTS

1. Applications. All permit applications shall be signed as follows:
  - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
  - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
  - c. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. Reports, etc. All reports required by permits, and other information requested by the Board shall be signed by a person described in Part II K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - a. The authorization is made in writing by a person described in Part II K 1;
  - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative



- may thus be either a named individual or any individual occupying a named position.); and
- c. The written authorization is submitted to the Department.
3. Changes to authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the Department prior to or together with any reports, or information to be signed by an authorized representative.
4. Certification. Any person signing a document under Parts II K 1 or 2 shall make the following certification: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

#### **L. DUTY TO COMPLY**

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

#### **M. DUTY TO REAPPLY**

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Board. The Board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

#### **N. EFFECT OF A PERMIT**

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

#### **O. STATE LAW**

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by Section 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II V) nothing in this permit shall be construed to relieve



the permittee from civil and criminal penalties for noncompliance.

#### **P. OIL AND HAZARDOUS SUBSTANCE LIABILITY**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Sections 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

#### **Q. PROPER OPERATION AND MAINTENANCE**

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

#### **R. DISPOSAL OF SOLIDS OR SLUDGES**

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

#### **S. DUTY TO MITIGATE**

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

#### **T. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#### **U. BYPASS**

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts II U 2 and U 3.
2. Notice
  - a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least ten days before the date of the bypass.
  - b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.
3. Prohibition of bypass.
  - a. Bypass is prohibited, and the Board may take enforcement action against a permittee for bypass, unless:
    - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
    - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities,

retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

(3) The permittee submitted notices as required under Part II U 2.

- b. The Board may approve an anticipated bypass, after considering its adverse effects, if the Board determines that it will meet the three conditions listed above in Part II U 3 a.

## V. UPSET

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - a. An upset occurred and that the permittee can identify the cause(s) of the upset;
  - b. The permitted facility was at the time being properly operated;
  - c. The permittee submitted notice of the upset as required in Part II I; and
  - d. The permittee complied with any remedial measures required under Part II S.
3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

## W. INSPECTION AND ENTRY

The permittee shall allow the Director, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

## X. PERMIT ACTIONS

Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

## Y. TRANSFER OF PERMITS

1. Permits are not transferable to any person except after notice to the Department. Except as provided in Part



II Y 2, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made, to identify the new permittee and incorporate such other requirements as may be necessary under the State Water Control Law and the Clean Water Act.

2. As an alternative to transfers under Part II Y 1, this permit may be automatically transferred to a new permittee if:
  - a. The current permittee notifies the Department at least 30 days in advance of the proposed transfer of the title to the facility or property;
  - b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
  - c. The Board does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

## **Z. SEVERABILITY**

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.



- PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

**VDH COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from the Virginia Dept. of Health and noted how resolved.

Based on their review of the application, the VDH had no objections to the draft permit, as stated by memo dated August 18, 2011.

**EPA COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA waived the right to comment and/or object to the adequacy of the draft permit.

**ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from an adjacent state and noted how resolved.

Not Applicable.

**OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from any other agencies (e.g., VIMS, VMRC, DGI, etc.) and noted how resolved.

Not Applicable.

**OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT:**  
Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and no comments were received.

**PUBLIC NOTICE INFORMATION:** Comment Period: **Start Date:** February 9, 2012  
**End Date:** March 13, 2012

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Frank Bowman at: Department of Environmental Quality (DEQ), Blue Ridge Regional Office, 7705 Timberlake Road, Lynchburg, VA 24502 Telephone: 434-582-6207  
E-mail: [Frank.Bowman@deq.virginia.gov](mailto:Frank.Bowman@deq.virginia.gov)

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

Following the comment period, the Board will make a determination regarding the proposed reissuance. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. **ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:**

The permittee is current with their annual permit maintenance fees.

31. SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS:

Attachment 1 Site Inspection Report/Memorandum

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
DISCHARGE MONITORING REPORT(DMR)

Industrial Minor 03/14/2012

DEPT. OF ENVIRONMENTAL QUALITY  
(REGIONAL OFFICE)

South Central Regional Office  
7705 Timberlake Rd

Lynchburg VA 24502

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS  
BEFORE COMPLETING THIS FORM.

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)  
NAME Colonial Pipeline Company - Mitchell Junction  
ADDRESS 425 Duncan Store Road  
Columbia VA 23038  
FACILITY LOCATION 425 Duncan Store Rd

|                   |                  |     |      |    |     |
|-------------------|------------------|-----|------|----|-----|
| VA0051926         | 001              |     |      |    |     |
| PERMIT NUMBER     | DISCHARGE NUMBER |     |      |    |     |
| MONITORING PERIOD |                  |     |      |    |     |
| YEAR              | MO               | DAY | YEAR | MO | DAY |
|                   |                  |     | TO   |    |     |

FROM

| PARAMETER                                  | QUANTITY OR LOADING |         | QUALITY OR CONCENTRATION |         |         |         | NO.<br>EX. | FREQUENCY<br>OF<br>ANALYSIS | SAMPLE<br>TYPE |
|--|---------------------|---------|--------------------------|---------|---------|---------|------------|-----------------------------|----------------|
|  | AVERAGE             | MAXIMUM | UNITS                    | MINIMUM | AVERAGE | MAXIMUM |            |                             |                |
| 001 FLOW                                   | REPORTD             |         |                          | *****   | *****   | *****   |            |                             |                |
|  | REQRMNT             | NL      | MGD                      | *****   | *****   | *****   |            | 1/YR                        | EST            |
| 002 PH                                     | REPORTD             | *****   |                          |         | *****   |         |            |                             |                |
|  | REQRMNT             | *****   |                          | 6.0     | *****   | 9.0     | SU         | 1/YR                        | GRAB           |
| 257 PETROLEUM<br>HYDROCARBONS, TOTAL RECOV | REPORTD             | *****   |                          | *****   | *****   |         |            |                             |                |
|  | REQRMNT             | *****   |                          | *****   | *****   | 15      | MG/L       | 1/YR                        | GRAB           |
| REPORTD                                    |                     |         |                          |         |         |         |            |                             |                |
| REQRMNT                                    |                     |         |                          |         |         |         |            | *****                       |                |
| REPORTD                                    |                     |         |                          |         |         |         |            |                             |                |
| REQRMNT                                    |                     |         |                          |         |         |         |            | *****                       |                |
| REPORTD                                    |                     |         |                          |         |         |         |            |                             |                |
| REQRMNT                                    |                     |         |                          |         |         |         |            | *****                       |                |
| REPORTD                                    |                     |         |                          |         |         |         |            |                             |                |
| REQRMNT                                    |                     |         |                          |         |         |         |            | *****                       |                |
| REPORTD                                    |                     |         |                          |         |         |         |            |                             |                |
| REQRMNT                                    |                     |         |                          |         |         |         |            | *****                       |                |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

|   |                      |                  |                  |   |           |                 |           |         |
|---|----------------------|------------------|------------------|---|-----------|-----------------|-----------|---------|
| BYPASSES<br>AND<br>OVERFLOWS  | TOTAL<br>OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) | OPERATOR IN RESPONSIBLE CHARGE                  |           |                 | DATE      |         |
|   |                      |                  |                  | TYPED OR PRINTED NAME                           | SIGNATURE | CERTIFICATE NO. | YEAR      | MO. DAY |
| I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE<br>PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM<br>DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE<br>THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS<br>WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING<br>THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE<br>AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE<br>SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE<br>POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. |                      |                  |                  | PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT |           |                 | TELEPHONE |         |
|   |                      |                  |                  |   |           |                 |           |         |
|   |                      |                  |                  | TYPED OR PRINTED NAME                           | SIGNATURE |                 | YEAR      | MO. DAY |



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
DISCHARGE MONITORING REPORT(DMR)

Industrial Minor 03/14/2012

DEPT. OF ENVIRONMENTAL QUALITY  
(REGIONAL OFFICE)

South Central Regional Office  
7705 Timberlake Rd

Lynchburg VA 24502

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS  
BEFORE COMPLETING THIS FORM.

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)

NAME Colonial Pipeline Company - Mitchell Junction

ADDRESS 425 Duncan Store Road

Columbia VA 23038

FACILITY LOCATION 425 Duncan Store Rd

|               |                  |
|---------------|------------------|
| VA0051926     | 002              |
| PERMIT NUMBER | DISCHARGE NUMBER |

|                   |    |     |      |    |     |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD |    |     |      |    |     |
| YEAR              | MO | DAY | YEAR | MO | DAY |
|                   |    |     | TO   |    |     |

FROM

| PARAMETER                                  | QUANTITY OR LOADING |         | QUALITY OR CONCENTRATION |         |         | NO.<br>EX. | FREQUENCY<br>OF<br>ANALYSIS | SAMPLE<br>TYPE |
|--|---------------------|---------|--------------------------|---------|---------|------------|-----------------------------|----------------|
|  | AVERAGE             | MAXIMUM | UNITS                    | MINIMUM | AVERAGE | MAXIMUM    | UNITS                       |                |
| 001 FLOW                                   | REPORTD             |         |                          | *****   | *****   | *****      |                             |                |
|  | REQRMNT             | NL      | MGD                      | *****   | *****   | *****      | 1/YR                        | EST            |
| 002 PH                                     | REPORTD             | *****   |                          |         | *****   |            |                             |                |
|  | REQRMNT             | *****   |                          | 6.0     | *****   | 9.0        | SU                          | GRAB           |
| 257 PETROLEUM<br>HYDROCARBONS, TOTAL RECOV | REPORTD             | *****   |                          | *****   | *****   |            |                             |                |
|  | REQRMNT             | *****   |                          | *****   | *****   | 15         | MG/L                        | GRAB           |
|  | REPORTD             |         |                          |         |         |            |                             |                |
|  | REQRMNT             |         |                          |         |         |            |                             | *****          |
|  | REPORTD             |         |                          |         |         |            |                             |                |
|  | REQRMNT             |         |                          |         |         |            |                             | *****          |
|  | REPORTD             |         |                          |         |         |            |                             |                |
|  | REQRMNT             |         |                          |         |         |            |                             | *****          |
|  | REPORTD             |         |                          |         |         |            |                             |                |
|  | REQRMNT             |         |                          |         |         |            |                             | *****          |
|  | REPORTD             |         |                          |         |         |            |                             |                |
|  | REQRMNT             |         |                          |         |         |            |                             | *****          |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

| BYPASSES<br>AND<br>OVERFLOWS   | TOTAL<br>OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) | OPERATOR IN RESPONSIBLE CHARGE                  |           |                 | DATE |     |  |  |  |
|--|----------------------|------------------|------------------|---|-----------|-----------------|------|-----|--|--|--|
|  |                      |                  |                  | TYPED OR PRINTED NAME                           | SIGNATURE | CERTIFICATE NO. | YEAR | MO. |  |  |  |
| <p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</p> |                      |                  |                  | PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE |                 |      |     |  |  |  |
|  |                      |                  |                  | TYPED OR PRINTED NAME                           | SIGNATURE | YEAR            | MO.  | DAY |  |  |  |



This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to report or failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15 year term.

### DISCHARGE MONITORING REPORT (DMR) - GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil. The use of 'correction fluid/tape' is not allowed.
2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".
3. For those parameters where the "permit requirement" spaces have a requirement or limitation, provide data in the "reported" spaces in accordance with your permit.
4. Enter the average and maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading".  
 $\text{KG/DAY} = \text{Concentration (mg/L)} \times \text{Flow (MGD)} \times 3.785$        $\text{G/D (Grams/Day)} = \text{Concentration (mg/L)} \times \text{Flow (MGD)} \times 3785$
5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".
6. For all parameters enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex." (Number of Exceedances). If none, enter "0". Do NOT include monthly average violations in this field. Include any Maximum 7-Day Average and Maximum Weekly Average violations in this field. Permittees with continuous pH, or temperature monitoring requirements should consult the permit for what constitutes an exceedance and report accordingly.
7. You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit.
8. Enter the actual frequency of analysis for each parameter (number of times per day, week, month, etc.) in the "reported" space in the column marked "Frequency of Analysis".
9. Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "reported" space in the column marked "Sample Type".
10. Enter additional required data or comments in the space marked "additional permit requirements or comments". If additional required data or comments are appended to the DMR, reference appended correspondence in this field.
11. Record the number of bypasses during the month, the total flow in million gallons (MG) and BOD5 in kilograms (KG) in the proper columns in the section marked "Bypasses and Overflows".
12. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator or if the operator in responsible charge of the facility is a licensed operator, the operator's signature and certificate number must be reported in the spaces provided.
13. The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she can be reached. Every page of the DMR must have an original signature.
14. Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of each month unless otherwise specified in the permit.
15. You are required to retain a copy of the report for your records.
16. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each separate violation by date.
17. If you have any questions, contact the Department of Environmental Quality Regional Office listed on the DMR.

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
GROUND WATER MONITORING REPORT FORM**  
Colonial Pipeline Co.-Mitchell Junction - Permit No. VA0051926

Ground Water Well No. \_\_\_\_\_ Monitoring Period: \_\_\_\_\_ Date Sampled: \_\_\_\_\_

| PARAMETER          |          | GROUND WATER MONITORING |          | MONITORING REQUIREMENTS |             |
|--------------------|----------|-------------------------|----------|-------------------------|-------------|
|                    |          | LIMITATIONS             | UNITS    | FREQUENCY               | SAMPLE TYPE |
| Static Water Level | Reported |                         |          |                         |             |
|                    | Required | NL                      | 0.01 FT. | 1/6 Months              | Measured    |
| Benzene            | Reported |                         |          |                         |             |
|                    | Required | NL                      | ug/l.    | 1/6 Months              | Grab        |
| Ethylbenzene       | Reported |                         |          |                         |             |
|                    | Required | NL                      | ug/l.    | 1/6 Months              | Grab        |
| Toluene            | Reported |                         |          |                         |             |
|                    | Required | NL                      | ug/l.    | 1/6 Months              | Grab        |
| Xylenes            | Reported |                         |          |                         |             |
|                    | Required | NL                      | ug/l.    | 1/6 Months              | Grab        |
| Total BTEX         | Reported |                         |          |                         |             |
|                    | Required | NL                      | ug/l.    | 1/6 Months              | Grab        |
| MTBE               | Reported |                         |          |                         |             |
|                    | Required | NL                      | ug/l.    | 1/6 Months              | Grab        |
| TPH-DRO            | Reported |                         |          |                         |             |
|                    | Required | NL                      | mg/l     | 1/6 Months              | Grab        |

NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30, **due July 10**); 2nd half (July 1 - December 31, **due January 10**).

Grab samples - An individual sample should be taken after three (3) well volumes of ground water are removed (allowing the well to recharge between each well volume removed) or until well purging parameters (i.e. pH, temperature, and specific conductance) stabilize to  $\pm 10\%$ . The bailer or hose used should not contaminate samples.



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

|   |   |       |
|---|---|-------|
| _____   | / | _____ |
| Name of Principal Exec. Officer or Authorized Agent | / | Title |

|  |   |       |
|--|---|-------|
| _____  | / | _____ |
| Signature of Principal Exec. Officer or Authorized Agent | / | Date  |